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Title: 5 Eries Alloys With Improved Corrosion Properties and Mark C. Carroll Docket No: 37882-0025

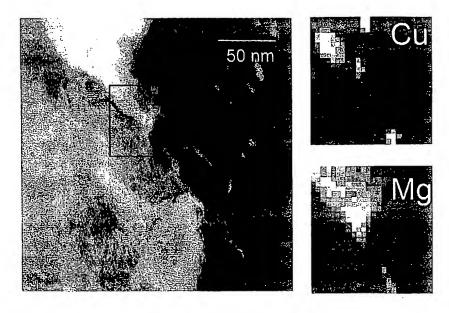


Figure 1

Title: Fries Alloys With Improved Corrosion Properties and Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025

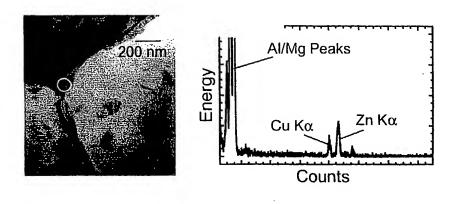
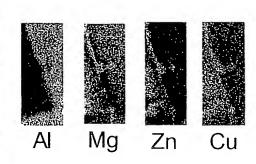


Figure 2



Figure 3



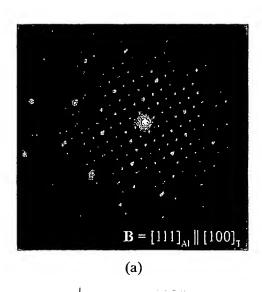
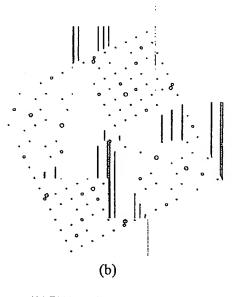
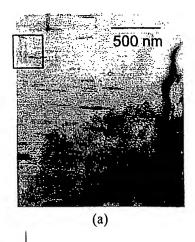


Figure 4



The state of the s 5000 Series Alloys With Improved Corrosion Propertice Innufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025



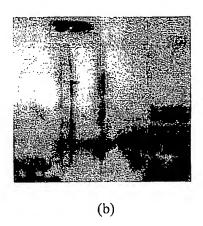


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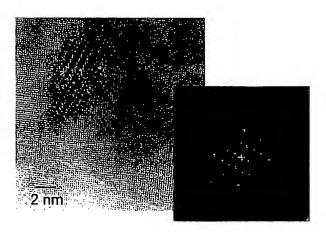


Figure 6

Title Series Alloys With Improved Corrosion Properties and Their Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025

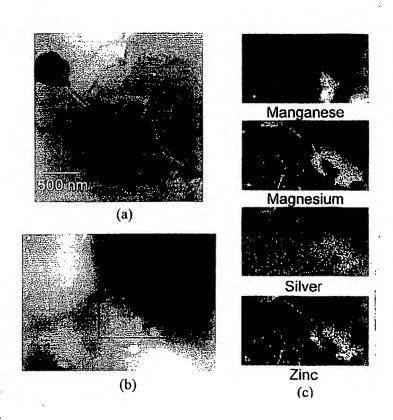


Figure 7:

Tit— O Scries Alloys With Improved Corrosion Properties at Their Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025

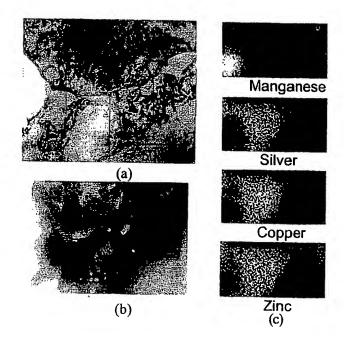


Figure 8

Their Manufacture and Use
Serial No: Unassigned
First Named Inventor: Mark C. Carroll
Docket No: 37882-0025

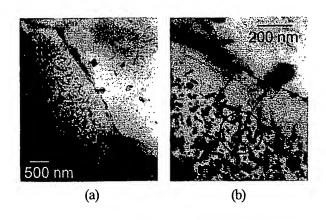


Figure 9

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Title: 5 Deries Alloys With Improved Corrosion Properties and Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025

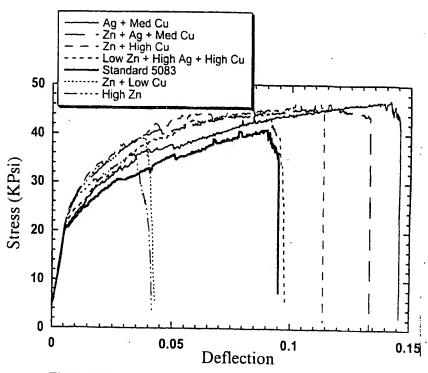


Figure 10

Title: 50% Les Alloys With Improved Corrosion Properties and Mee Their Manufacture and Use .
Serial No: Unassigned
First Named Inventor: Mark C. Carroll
Docket No: 37882-0025

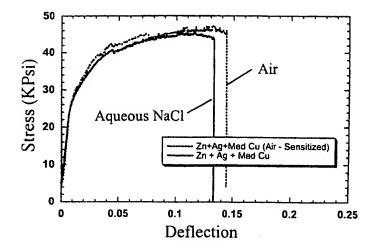


Figure 11

Title: 5 Series Alloys With Improved Corrosion Properties and Net Their Manufacture and Use

Serial No: Unassigned
First Named Inventor: Mark C. Carroll
Docket No: 37882-0025

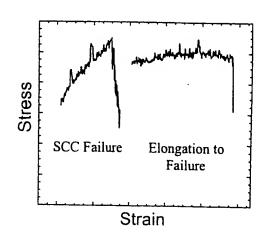


Figure 12

Title: 512 Ses Alloys With Improved Corrosion Properties and Met Their Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Pooler No. 17822 2025

Docket No: 37882-0025

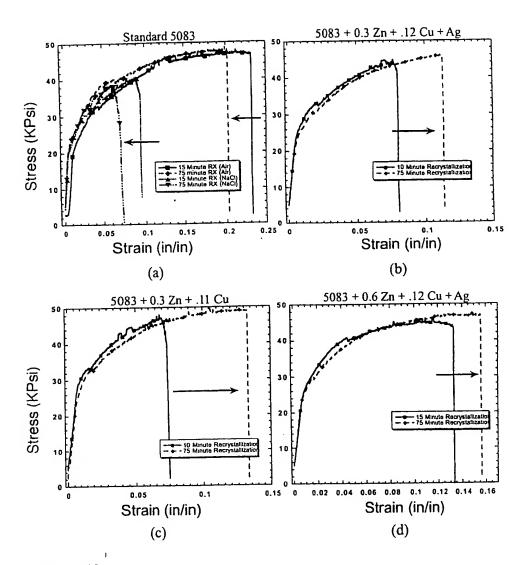


Figure 13

Title: Series Alloys With Improved Corrosion Properties and Metilods for Their Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025

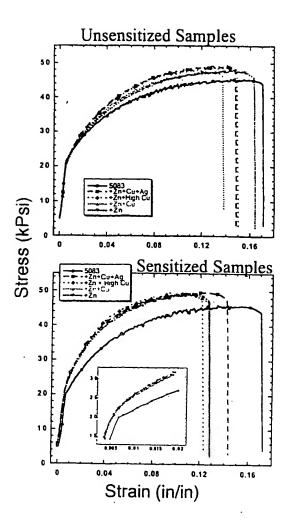


Figure 14

Title: — Peries Alloys With Improved Corrosion Properties and N₂. Their Manufacture and Use Serial No: Unassigned First Named Inventor: Mark C. Carroll Docket No: 37882-0025

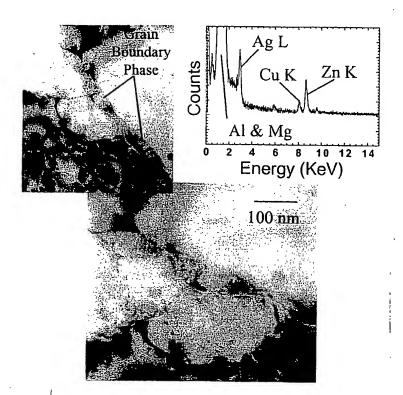


Figure 15

5000 Series Alloys With Improved Corrosion Properties
Their Manufacture and Use
Serial No: Unassigned
First Named Inventor: Mark C. Carroll
Docket No: 37882-0025

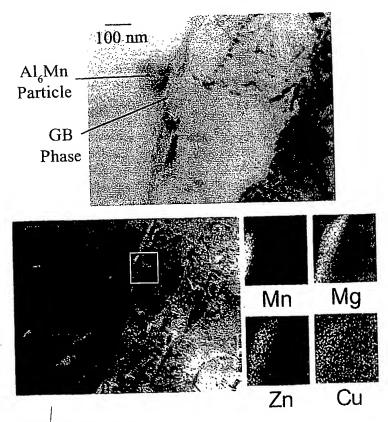


Figure 16

Title: 5000 s Alloys With Improved Corrosion Properties and Methode-for Their Manuary and Use Serial No: Unassigned

First Named Inventor: Mark C. Carroll Docket No: 37882-0025

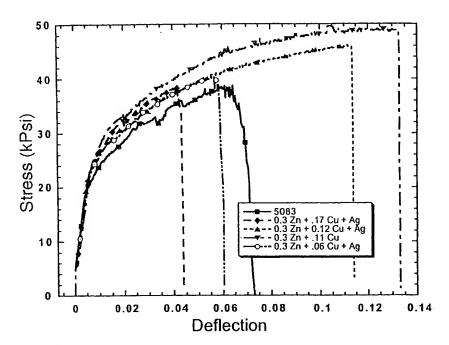


Figure 17

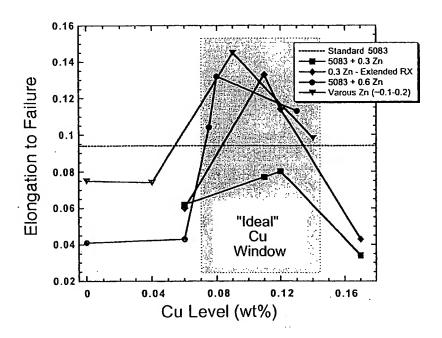


Figure 18

Al-Mg-Zn-Cu precipitates

SEM micrographs obtained in Back Scattered Electron (BSE) mode

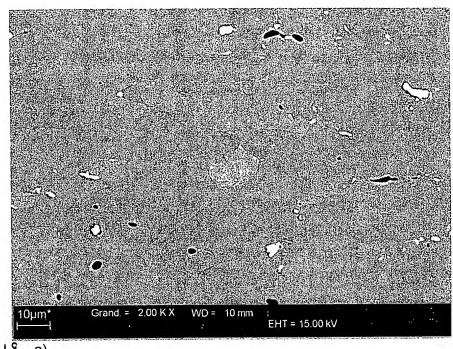


Fig 19 a)

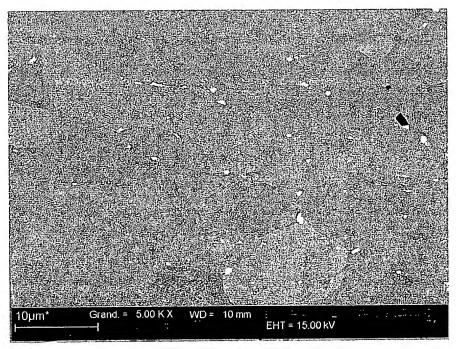
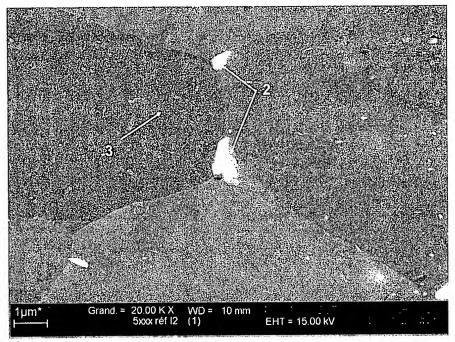


Fig. 19b

Desenstization of 5xxx alloys to intergranular corrosion Search for Al-Mg-Zn-Cu precipitates in

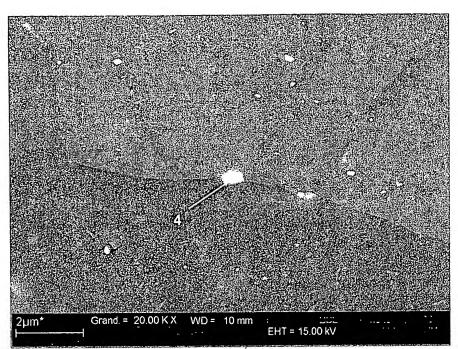
SEM micrographs obtained in Back Scattered Electron (BSE) mode



\ AI-Mg-Zn-Cu precipitates

- 2 Al-Mg-Zn-Cu
- 3 Al-Mg (matrix of 5xxx alloy)

Fig. 20

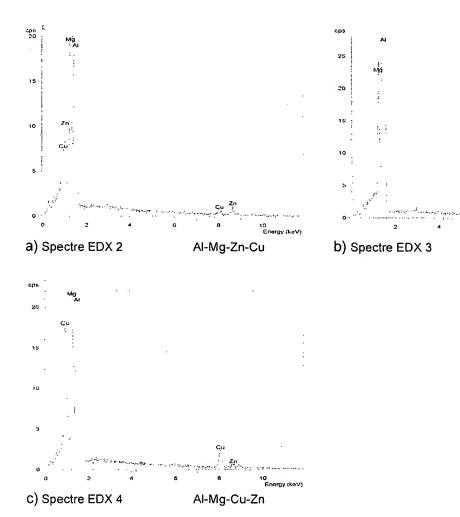


V. C.

Précipité Al-Mg-Zn-Cu Al-Zn-Mg-Cu precipitate

4 Al-Mg-Cu-Zn

Fig. 21



. Al-Mg (matrice 5xxx)

Fig. 229 226 220